CHAPTER 145 INSPECT ALTIMETER SETTING SOURCES

Section 1 Background

1. PTRS ACTIVITY CODES

- Avionics: 5687

3. OBJECTIVE. This chapter provides guidance for inspecting altimeter setting sources.

5. GENERAL. It is the responsibility of the Avionics Aviation Safety Inspector (ASI), through the applicable Flight Standards District Office (FSDO), to inspect altimeter setting sources in coordination with the respective Regional Flight Procedures Branch.

Section 2 Procedures

1. PREREQUISITES AND COORDINATION REQUIREMENTS

A. *Prerequisites*

- Successful completion of Airworthiness Inspector's Indoctrination Course for General Aviation and Air Carrier inspections, or previous equivalent
- Completion of the Altimeter and Barometry Course

B. *Coordination.* This task requires coordination with the Regional Flight Procedures Branch.

3. REFERENCES, FORMS, AND JOB AIDS

A. *References*

- Advisory Circular 91-14, Altimeter Setting Sources, as amended

B. *Forms*

- Regional forms, as applicable

C. *Job Aids.* None.

5. PROCEDURES

A. *Perform the Inspection*

(1) Inspect the facility to ensure the following:

(a) Two aircraft-type sensitive altimeters, which meet the system test and inspections required by FAR Part 43, Appendix E, Technical Standard Order-C10b for new altimeters, and/or Advisory Circular 91-14, as amended, are mounted in a suitable box or rack

(b) The facility has established a known height above mean sea level $\pm$ 1 foot and has this marked on the instruments or posted immediately adjacent to them

(c) The facility is maintained at a reasonably consistent temperature and is free from drafts

(d) Proper venting is being used, and if an error in excess of 10 feet is induced by the use of forced air systems, an outside vent (static source) is in use

(e) The initial requirements are still being met

(f) The altimeters have been recertified within the last 24 calendar months or when the difference between the two altimeters exceeds .05 " HG on the barometric scale

(2) Verify the method and frequency used to communicate altimeter setting information to the pilot

B. *Analyze Results.* Analyze inspection results and brief the operator, as required.

7. TASK OUTCOMES

A. *File PTRS Transmittal Form*

B. Completion of this task can result in the following:

(1) Immediate notification to the Regional Flight Procedures Branch if any changes are made that:

- Affect the operation or the location of the facility
- Require the discontinuation of operations

(2) If the inspection is found to be unsatisfactory:

- Notify the Flight Procedures Branch by telephone and follow up with an inspection report detailing the deficiencies
- Notify the operator by certified mail, not to use the altimeter setting source until the discrepancies are corrected

C. *Document Task.* File all supporting paperwork in the operator's office file.

9. FUTURE ACTIVITIES. Follow-up, as required.